

Community College	Program Name	Occupation Description ²	Job Outlook ¹		
			Current Number of People Employed in Profession	Average Number of Job Openings per Year	Median Hourly Wage 2005 ³
Henry Ford	.Net Application Developer	<u>Network and Computer Systems Administrators</u> (LAN/WAN Administrator) Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures. Exclude "Computer Support Specialists" (15-1041). Illustrative Examples: Network Control Operator; Network Security Administrator	6,902	212	\$26.97
		<u>Network Systems and Data Communications Analysts</u> (Internet Developer, Webmaster) Analyze, design, test, and evaluate network systems, such as local area networks (LAN), wide area networks (WAN), Internet, intranet, and other data communications systems. Perform network modeling, analysis, and planning. Research and recommend network and data communications hardware and software. Include telecommunications specialists who deal with the interfacing of computer and communications equipment. May supervise computer programmers. Illustrative Example: Systems Integrator	5,362	248	\$27.41

Advanced CNC	<u>Industrial Engineering Technicians</u> Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May study and record time, motion, method, and speed involved in performance of production, maintenance, clerical, and other worker operations for such purposes as establishing standard production rates or improving efficiency. Illustrative Examples: Methods Study Analyst; Quality Control Technician; Time Study Analyst	5,860	113	\$21.70
Advanced Pathways (Industrial Maintenance Skills)	<u>Maintenance and Repair Workers, General</u> (Maintenance Mechanic) Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs. Exclude "Maintenance Workers, Machinery" (49-9043). Illustrative Examples: Building Maintenance Repairer; Trouble Shooting Mechanic; Mechanical Adjuster	46,110	959	\$17.10
Analog Electronics	<u>Electrical and Electronic Engineering Technicians</u> Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Exclude "Broadcast Technicians" (27-4012). Illustrative Examples: Calibration Laboratory Technician; Semiconductor Development Technician; Instrumentation Technician	4,229	99	\$24.08

Auto Air Conditioning, Brakes, Alignment	<u>Automotive Service Technicians and Mechanics</u> Diagnose, adjust, repair, or overhaul automotive vehicles. Exclude "Automotive Body and Related Repairers" (49-3021), "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031), and "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096). Illustrative Examples: Auto Brake Mechanic; Fuel Injection Servicer; Auto Transmission Specialist	26,483	754	\$18.20
Auto Tune-up	<u>Automotive Service Technicians and Mechanics</u> Diagnose, adjust, repair, or overhaul automotive vehicles. Exclude "Automotive Body and Related Repairers" (49-3021), "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031), and "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096). Illustrative Examples: Auto Brake Mechanic; Fuel Injection Servicer; Auto Transmission Specialist	26,483	754	\$18.20
Automation Controls	<u>Electro-Mechanical Technicians</u> Operate, test, and maintain unmanned, automated, servo-mechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment at worksites, such as oil rigs, deep ocean exploration, or hazardous waste removal. May assist engineers in testing and designing robotics equipment.	469	9	\$23.20
Basic CNC Certificate	<u>Industrial Engineering Technicians</u> Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May study and record time, motion, method, and speed involved in performance of production, maintenance, clerical, and other worker operations for such purposes as establishing standard production rates or improving efficiency. Illustrative Examples: Methods Study Analyst; Quality Control Technician; Time Study Analyst	5,860	113	\$21.70

Basic Electronics	<u>Electrical and Electronic Engineering Technicians</u> Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Exclude "Broadcast Technicians" (27-4012). Illustrative Examples: Calibration Laboratory Technician; Semiconductor Development Technician; Instrumentation Technician	4,229	99	\$24.08
Bookkeeping	<u>Bookkeeping, Accounting, and Auditing Clerks</u> Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers. Illustrative Examples: Accounts Receivable Clerk; Ledger Clerk; Voucher Examiner	60,748	1,071	\$14.59
	<u>Payroll and Timekeeping Clerks</u> Compile and post employee time and payroll data. May compute employees' time worked, production, and commission. May compute and post wages and deductions. May prepare paychecks. Illustrative Examples: Attendance Clerk; Payroll Bookkeeper; Timekeeper	6,710	178	\$15.45
CAD Technology: CATIA	<u>Architectural and Civil Drafters</u> Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Utilize knowledge of building materials, engineering practices, and mathematics to complete drawings. Illustrative Example: Structural Drafter	2,842	78	\$18.28

Certified Nurse Assistant	<u>Registered Nurses</u> (Nurse Midwife, Nurse Practitioner) Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Include advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and who function in highly autonomous and specialized roles. Illustrative Example: Nursing Supervisor	84,361	3,013	\$26.68
Child Development Certificate	<u>Kindergarten Teachers, Except Special Education</u> Teach elemental natural and social science, personal hygiene, music, art, and literature to children from 4 to 6 years old. Promote physical, mental, and social development. May be required to hold State certification. Exclude "Special Education Teachers" (25-2041 through 25-2043).	5,584	126	n/a
	<u>Preschool Teachers, Except Special Education</u> (Day Care Teacher, Nursery School Teacher) Instruct children (normally up to 5 years of age) in activities designed to promote social, physical, and intellectual growth needed for primary school in preschool, day care center, or other child development facility. May be required to hold State certification. Exclude "Child Care Workers" (39-9011) and "Special Education Teachers" (25-2041 through 25-2043). Illustrative Examples: Head Start Teacher; Childhood Development Teacher	9,294	171	\$12.09

Computer Networking Academy	<u>Network and Computer Systems Administrators</u> (LAN/WAN Administrator) Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures. Exclude "Computer Support Specialists" (15-1041). Illustrative Examples: Network Control Operator; Network Security Administrator	6,902	212	\$26.97
	<u>Network Systems and Data Communications Analysts</u> (Internet Developer, Webmaster) Analyze, design, test, and evaluate network systems, such as local area networks (LAN), wide area networks (WAN), Internet, intranet, and other data communications systems. Perform network modeling, analysis, and planning. Research and recommend network and data communications hardware and software. Include telecommunications specialists who deal with the interfacing of computer and communications equipment. May supervise computer programmers. Illustrative Example: Systems Integrator	5,362	248	\$27.41
Computer Software Applications	<u>No related SOC</u>	----	----	----
Criminal Justice- Corrections/Probation & Parole	<u>Correctional Officers and Jailers</u> Guard inmates in penal or rehabilitative institution in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Include deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions. Illustrative Examples: Convict Guard; Custodial Officer; Prison Guard	12,217	240	\$19.23

Culinary and Baking	<u>Bakers</u> Mix and bake ingredients according to recipes to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods. Include pastry chefs in restaurants and hotels with "Chefs and Head Cooks" (35-1011). Illustrative Examples: Cake Maker; Head Baker; Pastry Finisher	4,794	123	\$10.01
Culinary Skills	<u>Chefs and Head Cooks</u> Direct the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts. May participate in cooking. Illustrative Examples: Executive Chef; Pastry Chef; Sous Chef	4,156	171	\$14.77
	<u>Cooks, All Other</u> All cooks not listed separately.	425	17	\$10.49
	<u>Cooks, Private Household</u> Prepare meals in private homes.	139	6 n/a	
	<u>Cooks, Restaurant</u> Prepare, season, and cook soups, meats, vegetables, desserts, or other foodstuffs in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu. Illustrative Examples: Broiler Cook; Specialty Foreign Food Cook; Garde-manger	24,009	1,179	\$9.29
Customer Service Professional	<u>First-Line Supervisors/Managers of Office and Administrative Support Workers</u> Supervise and coordinate the activities of clerical and administrative support workers. These workers have other employees reporting directly to them. Illustrative Examples: Claims Supervisor; Stock Room Manager; Teller Supervisor	39,857	776	\$20.59

Digital Electronics	<u>Electrical and Electronic Engineering Technicians</u> Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Exclude "Broadcast Technicians" (27-4012). Illustrative Examples: Calibration Laboratory Technician; Semiconductor Development Technician; Instrumentation Technician	4,229	99	\$24.08
Dynamometer Technican	<u>Automotive Service Technicians and Mechanics</u> Diagnose, adjust, repair, or overhaul automotive vehicles.	26,483	754	\$18.20
Energy Technology (Boiler License Review)	<u>Heating, Air Conditioning, and Refrigeration Mechanics and Installers</u> Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves. Illustrative Examples: Furnace Converter; Gas Furnace Installer; Oil Burner Repairer	8,248	158	\$21.23
Energy Technology (Heating & Cooling) Basic	<u>Heating, Air Conditioning, and Refrigeration Mechanics and Installers</u> Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves. Illustrative Examples: Furnace Converter; Gas Furnace Installer; Oil Burner Repairer	8,248	158	\$21.23
Energy Technology (Power/Building Engineer)	<u>Engineering Technicians, Except Drafters, All Other</u> All engineering technicians, except drafters, not listed separately. Illustrative Examples: Laser Specialist; Metallurgical Technician; Material Stress Tester	9,885	226	n/a

Fitness Leadership	<u>Fitness Trainers and Aerobics Instructors</u> (Personal Trainer) Instruct or coach groups or individuals in exercise activities and the fundamentals of sports. Demonstrate techniques and methods of participation. Observe participants and inform them of corrective measures necessary to improve their skills. Those required to hold teaching degrees should be reported in the appropriate teaching category. Exclude "Athletic Trainers" (29-9091). Illustrative Examples: Exercise Teacher; Yoga Teacher	5,574	230	\$11.09
	<u>Recreation Workers</u> (Camp Counselor) Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, such as arts and crafts, sports, games, music, dramatics, social recreation, camping, and hobbies, taking into account the needs and interests of individual members. Illustrative Examples: Playground Director; Activities Director	10,266	325	\$9.42
Hospitality Professional Management	<u>Lodging Managers</u> (Hotel Manager) Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations. Exclude "Food Service Managers" (11-9051) in lodging establishments. Illustrative Examples: Director of Housing; Innkeeper	813	23	\$20.10
Hospitality Service Career	<u>Counter Attendants, Cafeteria, Food Concession, and Coffee Shop</u> Serve food to diners at counter or from a steam table. Include counter attendants who also wait tables with "Waiters and Waitresses" (35-3031). Illustrative Examples: Canteen Operator; Snack Bar Attendant; Hot Dog Attendant	10,843	1,258	\$7.05

	<u>Dining Room and Cafeteria Attendants and Bartender Helpers</u> (Busser) Facilitate food service. Clean tables, carry dirty dishes, replace soiled table linens; set tables; replenish supply of clean linens, silverware, glassware, and dishes; supply service bar with food, and serve water, butter, and coffee to patrons. Illustrative Examples: Lunchroom Attendant; Tray Setter	11,397	609	\$6.79
	<u>Food Servers, Nonrestaurant</u> (Tray-Service Worker) Serve food to patrons outside of a restaurant environment, such as in hotels, hospital rooms, or cars. Exclude "Door-to-Door Sales Workers, News and Street Vendors, and Related Workers" (41-9091) and "Counter Attendants, Cafeteria, Food Concession, and Coffee Shop" (35-3022). Illustrative Examples: Curb Attendant; Hospital Tray-Service Worker; Room Service Clerk	8,310	363	\$9.09
	<u>Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop</u> Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service. Illustrative Examples: Maitre D'; Dining Room Host	10,844	522	\$7.10
	<u>Waiters and Waitresses</u> Take orders and serve food and beverages to patrons at tables in dining establishment. Exclude "Counter Attendants, Cafeteria, Food Concession, and Coffee Shop" (35-3022). Illustrative Examples: Cocktail Waiter; Wine Steward; Head Waitress	82,879	5,525	\$6.45
Industrial Distribution-Business Concentration	<u>Logisticians</u> Analyze and coordinate the logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources. Illustrative Examples: Logistics Engineer; Logistics Analyst; Logistics Planner	3,597	53	\$30.83

	<u>Transportation, Storage, and Distribution Managers</u> (Airport Manager, Logistics Manager) Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with governmental policies and regulations. Include logistics managers. Illustrative Examples: Schedule Planning Manager; Warehouse Manager	2,535	60	\$34.60
Industrial Distribution-Technical Concentration	<u>Logisticians</u> Analyze and coordinate the logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources. Illustrative Examples: Logistics Engineer; Logistics Analyst; Logistics Planner	3,597	53	\$30.83
	<u>Transportation, Storage, and Distribution Managers</u> (Airport Manager, Logistics Manager) Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with governmental policies and regulations. Include logistics managers. Illustrative Examples: Schedule Planning Manager; Warehouse Manager	2,535	60	\$34.60
Medical Receptionist	<u>Medical Assistants</u> (Morgue Attendant, Physician's Aide) Perform administrative and certain clinical duties under the direction of physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician. Exclude "Physician Assistants" (29-1071). Illustrative Example: Ophthalmic Aide	14,681	647	\$12.48

	<u>Receptionists and Information Clerks</u> Answer inquiries and obtain information for general public, customers, visitors, and other interested parties. Provide information regarding activities conducted at establishment; location of departments, offices, and employees within organization. Exclude "Switchboard Operators, Including Answering Service" (43-2011). Illustrative Examples: Appointment Clerk; Front Desk Clerk; Referral and Information Aide	36,434	1,200	\$11.10
Network Infrastructure Essentials	<u>Network and Computer Systems Administrators</u> (LAN/WAN Administrator) Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures. Exclude "Computer Support Specialists" (15-1041). Illustrative Examples: Network Control Operator; Network Security Administrator	6,902	212	\$26.97
	<u>Network Systems and Data Communications Analysts</u> (Internet Developer, Webmaster) Analyze, design, test, and evaluate network systems, such as local area networks (LAN), wide area networks (WAN), Internet, intranet, and other data communications systems. Perform network modeling, analysis, and planning. Research and recommend network and data communications hardware and software. Include telecommunications specialists who deal with the interfacing of computer and communications equipment. May supervise computer programmers. Illustrative Example: Systems Integrator	5,362	248	\$27.41

Nursing Care Skills	<u>Nursing Aides, Orderlies, and Attendants</u> (Hospital Aide) Provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens. Exclude "Home Health Aides" (31-1011) and "Psychiatric Aides" (31-1013). Illustrative Examples: Certified Nursing Assistant; Infirmary Attendant	50,949	1,074	\$11.30
Office Administration	<u>Executive Secretaries and Administrative Assistants</u> Provide high-level administrative support by conducting research, preparing statistical reports, handling information requests, and performing clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level clerical staff. Exclude "Secretaries" (43-6012 through 43-6014). Illustrative Example: Administrative Aide	39,448	694	\$18.08
	<u>Secretaries, Except Legal, Medical, and Executive</u> Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers. Exclude legal, medical, or executive secretaries and administrative assistants (43-6011 through 43-6013). Illustrative Examples: Personal Secretary; Office Secretary; Receptionist Secretary	60,082	1,046	\$13.64
Renewable Energy	<u>Engineering Technicians, Except Drafters, All Other</u> All engineering technicians, except drafters, not listed separately. Illustrative Examples: Laser Specialist; Metallurgical Technician; Material Stress Tester	9,885	226	n/a
Small Business Management and Entrepreneurship	<u>Managers, All Other</u> All managers not listed separately. Illustrative Examples: City Clerk; Publisher; Communications Manager	27,094	829	\$42.15

Supervision	<u>First-Line Supervisors/Managers of Office and Administrative Support Workers</u> Supervise and coordinate the activities of clerical and administrative support workers. These workers have other employees reporting directly to them. Illustrative Examples: Claims Supervisor; Stock Room Manager; Teller Supervisor	39,857	776	\$20.59
Web Technologies and Design	<u>Computer Specialists, All Other</u> All computer specialists not listed separately. Illustrative Example: Computer Laboratory Technician	9,441	123	\$27.04
Welding (Basic)	<u>Welders, Cutters, Solderers, and Brazers</u> Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. Illustrative Examples: Acetylene Burner; Arc Welder; Blow Torch Operator <u>Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders</u> (Laser Cutter Machine Operator) Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Include workers who operate laser cutters or laser-beam machines. Illustrative Examples: Electron Beam Welder Setter; Laser-Beam Machine Operator; Ultrasonic Welding Machine Operator	14,746	406	\$17.16
		5,630	155	\$23.27
Welding Technology GTAW/GMAW	<u>Welders, Cutters, Solderers, and Brazers</u> Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. Illustrative Examples: Acetylene Burner; Arc Welder; Blow Torch Operator	14,746	406	\$17.16

	<u>Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders</u> (Laser Cutter Machine Operator) Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Include workers who operate laser cutters or laser-beam machines. Illustrative Examples: Electron Beam Welder Setter; Laser-Beam Machine Operator; Ultrasonic Welding Machine Operator	5,630	155	\$23.27
Welding Tool and Die	<u>Welders, Cutters, Solderers, and Brazers</u> Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. Illustrative Examples: Acetylene Burner; Arc Welder; Blow Torch Operator	14,746	406	\$17.16
	<u>Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders</u> (Laser Cutter Machine Operator) Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Include workers who operate laser cutters or laser-beam machines. Illustrative Examples: Electron Beam Welder Setter; Laser-Beam Machine Operator; Ultrasonic Welding Machine Operator	5,630	155	\$23.27

1. The average wages and demand for the listed occupations are estimates and will vary by industry, geography, and a candidates skills and experience.
2. The occupations listed are not intended to be all inclusive but are meant to represent a sampling of the fields that the short term training programs would prepare an individual to enter. Individual employers may require, at their discretion, additional training, experience or skills as a requirement for employment.
3. Median hourly wage represents the rate of pay per hour at which half of those working in the profession made more than the amount noted and half made less in calendar year 2005. It is not the average pay per hour.

For information on admittance or career counseling, please contact the community college's Admissions Office or Student Services Office.